

RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000	000	FFF	FFF

[illegible]

```
0001 0 MODULE CONVLB (
0002 0 IDENT = 'V04-000'
P 0003 0 XBLISS32C,
P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
0005 0 ]
0006 0 ) =
0007 1 BEGIN
0008 1
0009 1 *****
0010 1 *
0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0025 1 *
0026 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0027 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0028 1 *
0029 1 *
0030 1 *****
0031 1 ++
0032 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0033 1
0034 1 ABSTRACT: Convert a string of upper-case letters into an equivalent binary
0035 1 number.
0036 1
0037 1
0038 1 ENVIRONMENT: Transportable
0039 1
0040 1
0041 1 AUTHOR: R.W.Friday CREATION DATE: April, 1979
0042 1
```


CONVLB
V04-000

Revision History

F 1
16-Sep-1984 00:11:28
14-Sep-1984 13:05:56

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONVLB.BLI;1

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:	44	0043	1	XSBTTL 'Revision History'
:	45	0044	1	
:	46	0045	1	MODIFIED BY:
:	47	0046	1	
:	48	0047	1	002 KFA00C02 Ken Alden 07-Mar-1983
:	49	0048	1	Global edit of all modules. Updated module names, idents,
:	50	0049	1	copyright dates. Changed require files to BLISS library.
:	51	0050	1	
:	52	0051	1	--

CONVLB
V04-000

Module Level Declarations

G 1
16-Sep-1984 00:11:28
14-Sep-1984 13:05:56

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONVLB.BLI;1

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:	54	0052	1	%SBTTL 'Module Level Declarations'
:	55	0053	1	
:	56	0054	1	!
:	57	0055	1	

Module Level Declarations

```
59 0056 1 GLOBAL ROUTINE CONVLB (STRING_PTR, STRING_LENGTH) =
60 0057 1
61 0058 1 ++
62 0059 1 FUNCTIONAL DESCRIPTION:
63 0060 1
64 0061 1     Converts a string of upper case letters into a binary number.
65 0062 1
66 0063 1 FORMAL PARAMETERS:
67 0064 1
68 0065 1     STRING_PTR is a CH$PTR to the string to be converted.
69 0066 1     STRING_LENGTH is the number of characters to be processed.
70 0067 1
71 0068 1 IMPLICIT INPUTS:      None
72 0069 1
73 0070 1 IMPLICIT OUTPUTS:   None
74 0071 1
75 0072 1 ROUTINE VALUE:
76 0073 1 COMPLETION CODES:   None
77 0074 1
78 0075 1 SIDE EFFECTS: None
79 0076 1
80 0077 1 --
81 0078 1
82 0079 2 BEGIN
83 0080 2
84 0081 2 LOCAL
85 0082 2     ptr,
86 0083 2     result;
87 0084 2
88 0085 2 ptr = .string_ptr;
89 0086 2 result = 0;
90 0087 2
91 0088 2 INCR I FROM 1 TO .string_length DO
92 0089 2     result = (26*.result) + (CH$RCHAR_A(ptr) - %('a'));
93 0090 2
94 0091 2 RETURN .result;
95 0092 1 END;
```

!End of CONVLB

```
.TITLE CONVLB
.IDENT \V04-000\
```

```
.PSECT $CODE$,NOWRT,2
```

				001C 00000	.ENTRY CONVLB, Save R2,R3,R4	: 0056
	54	04	AC	D0 00002	MOVL STRING_PTR, PTR	: 0085
			50	D4 00006	CLRL RESULT	: 0086
			53	D4 00008	CLRL I	: 0088
			0C	11 0000A	BRB 2\$	
51	50		1A	C5 0000C 1\$:	MULL3 #26, RESULT, R1	: 0089
	52		84	9A 00010	MOVZBL (PTR)+, R2	
	50	C0	A241	9E 00013	MOVAB -64(R2)[R1], RESULT	
EF	53	08	AC	F3 00018 2\$:	AOBLEQ STRING_LENGTH, I, 1\$	
			04	0001D	RET	: 0092

CONVLB
V04-000

Module Level Declarations

I 1
16-Sep-1984 00:11:28
14-Sep-1984 13:05:56

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONVLB.BLI;1

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; Routine Size: 30 bytes, Routine Base: \$CODE\$ + 0000

: 96 0093 1
: 97 0094 1 END !End of module
: 98 0095 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	30	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CONVLB/OBJ=OBJ\$:CONVLB MSRC\$:CONVLB/UPDATE=(ENHS:CONVLB)

; Size: 30 code + 0 data bytes
; Run Time: 00:01.3
; Elapsed Time: 00:05.8
; Lines/CPU Min: 4253
; Lexemes/CPU-Min: 6179
; Memory Used: 17 pages
; Compilation Complete

0339

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